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LISTING OF PENDING CLAIMS

- Claim 1. (Original) A process for drawing a gel-spun multi-filament yarn comprising the steps of:
 - a) forming a gel-spun polyethylene multi-filament feed yarn comprising a polyethylene having an intrinsic viscosity in decalin at 135°C of from 5 dl/g to 35 dl/g, fewer than two methyl groups per thousand carbon atoms, and less than 2 wt.% of other constituents;
 - b) passing said feed yarn at a speed of V₁ meters/minute into a forced convection air oven having a yarn path length of L meters, wherein one or more zones are present along the yarn path having zone temperatures from 130°C to 160°C;
 - c) passing said feed yarn continuously through said oven and out of said oven at an exit speed of V₂ meters/minute wherein the following equations are satisfied

$$\begin{array}{l} 0.25 \, \leq \, L/\,V_1 \leq 20 \; , \; min \\ \\ 1.5 \leq \, V_2/\,V_1 \; \leq 20 \\ \\ 1 \leq \, (V_2 - V_1)/\,L \leq 60 \; , \; \; min^{-1} \\ \\ 0.55 \leq 2L/(V_1 + V_2) \leq 10 \; , \; min \; . \end{array}$$

- Claim 2 (Original) The process of claim 1 additionally satisfying the condition that the mass throughput of yarn passing through the oven is at least 0.25 grams/minute per yarn end.
- Claim 3 (Original) The process of claim 1 wherein the yarn is drawn at constant tension throughout the oven neglecting the effect of air drag.
- Claim 4 (Withdrawn) The process of claim 1 wherein the yarn is drawn at increasing tension through the oven.
- Claim 5 (Original) The process of claim 1 wherein the feed yarn comprises a polyethylene having an intrinsic viscosity in decalin at 135°C of from 8 dl/g to 30 dl/g, fewer than one methyl groups per thousand carbon atoms, and less than 1 wt.% of other constituents, said feed yarn having a tenacity from 6 to 76 g/d as measured by ASTM D2256-97.

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- Claim 6 (Original) The process of claim 5 wherein the feed yarn has a tenacity from 11 to 66 g/d.
- Claim 7 (Original) The process of claim 5 wherein the feed yarn has a tenacity from 16 to 56 g/d.
- Claim 8 (Original) The process of claim 5 wherein the feed yarn has a tenacity from 21 g/d to 51 g/d.
- Claim 9 (Original) The process of claim 5 wherein the feed yarn has a tenacity from 26 g/d to 46 g/d.
- Claim 10 (Original) The process of claim 5 wherein the feed yarn comprises a polyethylene having an intrinsic viscosity in decalin at 135°C of from 10 dl/g to 25 dl/g.
- Claim 11 (Original) The process of claim 5 wherein the feed yarn comprises a polyethylene having an intrinsic viscosity in decalin at 135°C of from 12 dl/g to 20 dl/g, fewer than 0.5 methyl groups per thousand carbon atoms, and less than 0.5 wt.% of other constituents, said feed yarn having a tenacity from 21 to 51 g/d.
- Claim 12 (Original) A process for drawing a gel-spun multi-filament yarn comprising the steps of:
 - a) forming a gel-spun polyethylene multi-filament feed yarn comprising a polyethylene having an intrinsic viscosity in decalin at 135°C of from 5 dl/g to 35 dl/g, fewer than two methyl groups per thousand carbon atoms, and less than 2 wt.% of other constituents;
 - b) passing said feed yarn at a speed of V₁ meters/minute into a forced convection air oven having a yarn path length of L meters, wherein one or more zones are present along the yarn path having zone temperatures from 130°C to160°C;
 - c) passing said feed yarn continuously through said oven and out of said oven at an exit speed of V₂ meters/minute wherein the following equations are satisfied

$$1 \le L/V_1 \le 20$$
, min

$$1.5 \le V_2/V_1 \le 20$$

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$$0.01 \le (V_2 - V_1)/L \le 1$$
, min⁻¹
 $1.1 \le 2L/(V_1 + V_2) \le 10$, min.

- Claim 13 (Original) The process of claim 12 additionally satisfying the condition that the mass throughput of yarn passing through the oven is at least 0.25 grams/minute per yarn end.
- Claim 14 (Original) The process of claim 12 wherein the yarn is drawn at constant tension throughout the oven neglecting the effect of air drag.
- Claim 15 (Withdrawn) The process of claim 12 wherein the yarn is drawn at increasing tension through the oven.
- Claim 16 (Original) The process of claim 12 wherein the feed yarn comprises a polyethylene having an intrinsic viscosity in decalin at 135°C of from 8 dl/g to 30 dl/g, fewer than one methyl groups per thousand carbon atoms, and comprising less than 1 wt.% of other constituents, said feed yarn having a tenacity from 5 to 76 g/d as measured by ASTM D2256-97.
- Claim 17 (Original) The process of claim 12 wherein the feed yarn has a tenacity from 11 to 66 g/d.
- Claim 18 (Original) The process of claim 12 wherein the feed yarn has a tenacity from 16 to 56 g/d.
- Claim 19 (Original) The process of claim 12 wherein the feed yarn has a tenacity from 21 to 51 g/d.
- Claim 20 (Original) The process of claim 12 wherein the feed yarn has a tenacity from 26 to 46 g/d.
- Claim 21 (Original) The process of claim 12 wherein the feed yarn comprises a polyethylene having an intrinsic viscosity in decalin at 135°C of from 10 dl/g to 25 dl/g.
- Claim 22 (Original) The process of claim 12 wherein the feed yarn comprises a polyethylene having an intrinsic viscosity in decalin at 135°C of from 12 dl/g to 20 dl/g, fewer than 0.5 methyl groups per thousand carbon atoms, and less than 0.5 wt.% of other constituents, said feed yarn having a tenacity from 21 to 51 g/d.

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- Claim 23 (Withdrawn) A gel-spun polyethylene multifilament yarn drawn by the process of claim 1.
- Claim 24 (Withdrawn) A gel-spun polyethylene multifilament yarn drawn by the process of claim 12.